



## **PARTS REFERENCE LIST**

**MODEL: PT-220/210E (For Europe)**

**REVISED**

MECHANISMS & ELECTRONICS

## NOTES FOR USING THIS PARTS REFERENCE LIST

1. In the case of ordering parts, it needs mentioning the following items:

- (1) Code
- (2) Q'ty
- (3) Description
- (4) Symbol (PCB No., Revision , and Parts location mounted on the PCB.)

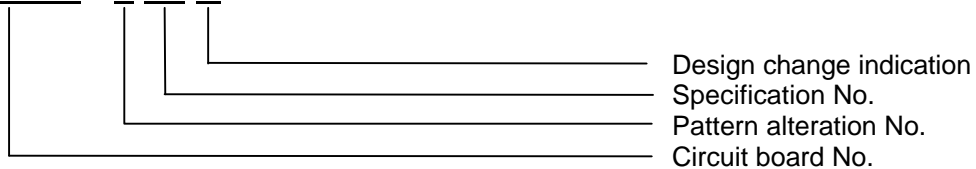
Note : No orders without Parts Code or Tool No. can be accepted.

[ Example ]

REF. NO.	SYMBOL	CODE	Q'TY	DESCRIPTION	REMARKS

Revision No. : marked on the printed circuit board.

**B48J317 - 1 10 A**



2. Design-changed parts:

When the parts are changed, any one of the following symbols is indicated in the REMARKS column.

- CHNG#A : compatible between old and new
- CHNG#B : replaceable from old to new
- CHNG#D : incompatible
- ADD : newly established

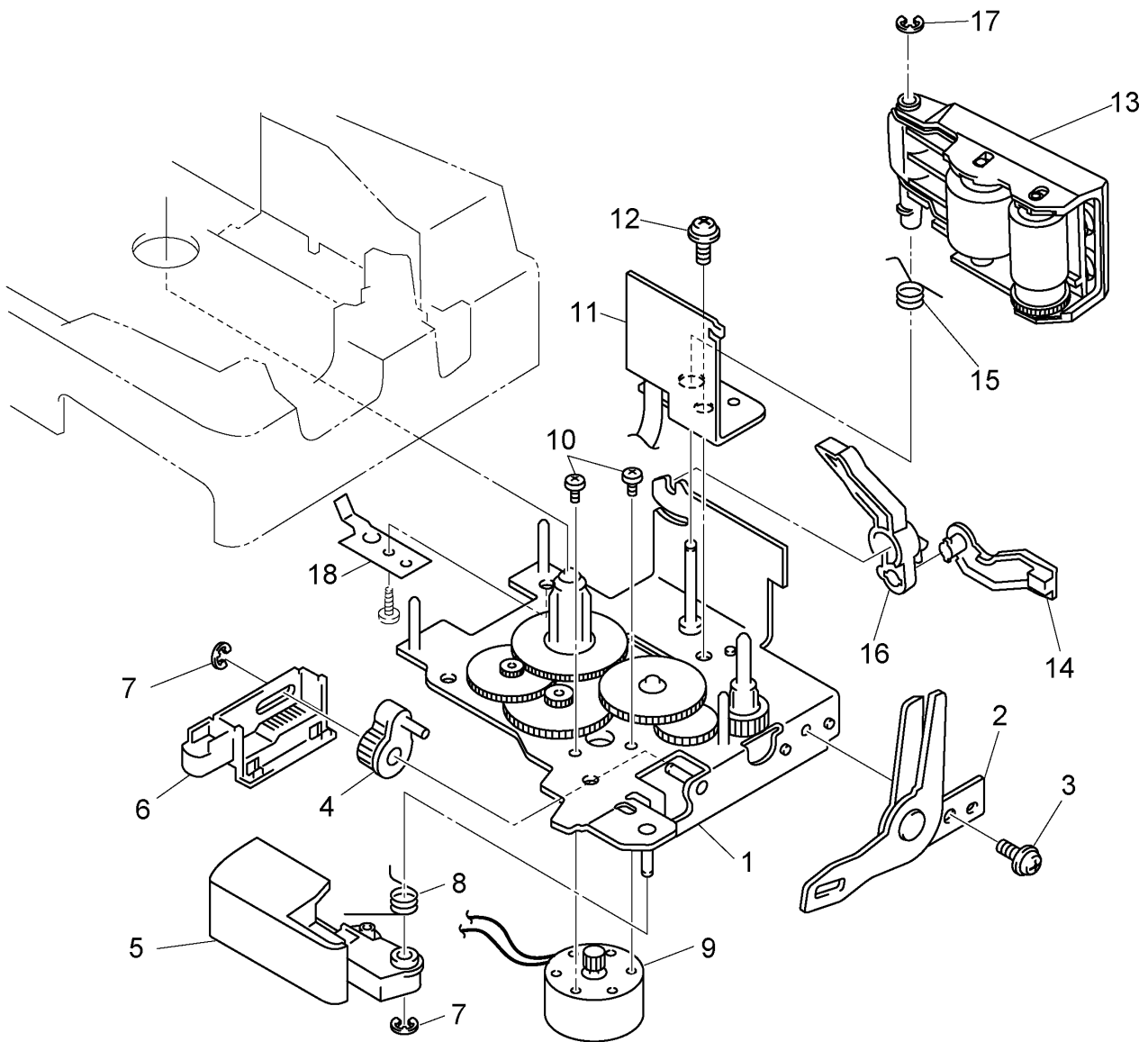
3. The original of this list was made based on the information available in June, '98.

4. Parts are subject to change in design without prior notice.

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# 1 . PRINT MECHANISM



MODEL PT-220/210E (For Europe) 5V2-511-045

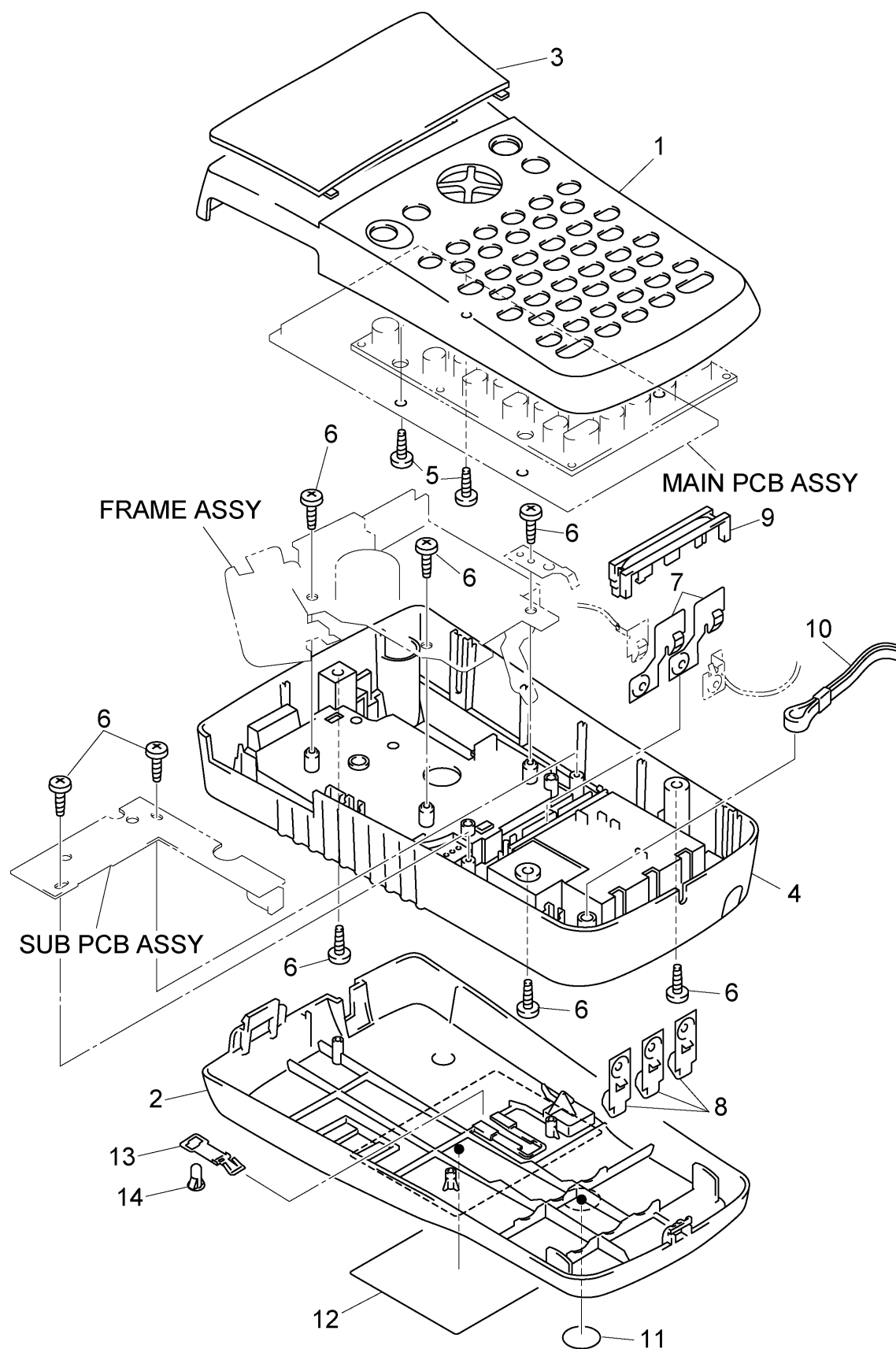
## 1 . PRINT MECHANISM

PT2000026

REF.NO.	CODE	Q'TY	DESCRIPTION	REMARKS
1	UN4505001	1	FRAME ASSY 220	CHNG#A
2	LA4067001	1	CUTTER ASSY (SP)	
3	0A4300605	1	SCREW, PAN (S/P WASHER) M3X6	
4	UN4520001	1	CUTTER MOVING GEAR ASSY	
5	UN4523001	1	CUTTER LEVER	
6	UN4524001	1	CUTTER RACK GEAR	
7	048025346	2	RETAINING RING, E2.5	
8	UN4525001	1	SPRING	
9	LA0123001	1	DC MOTOR ASSY NAPLES	
10	UN3640001	2	SCREW, PAN 1.7X2.5	
11	UN6290001	1	HEAD ASSY, KV1801-21B	
12	060300415	1	SCREW, BIND M3X4	
13	LA3621001	1	ROLLER HOLDER ASSY 1300	
14	UN0393001	1	ROLLER RELEASE ROD 300	
15	UN0392001	1	ROLLER HOLDER SPRING	
16	UN4530001	1	ROLLER RELEASE LEVER 220	
17	048020346	1	RETAINING RING, E2	
18	UN4531000	1	ANTI-STATIC SPRING 220	

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## 2. COVERS



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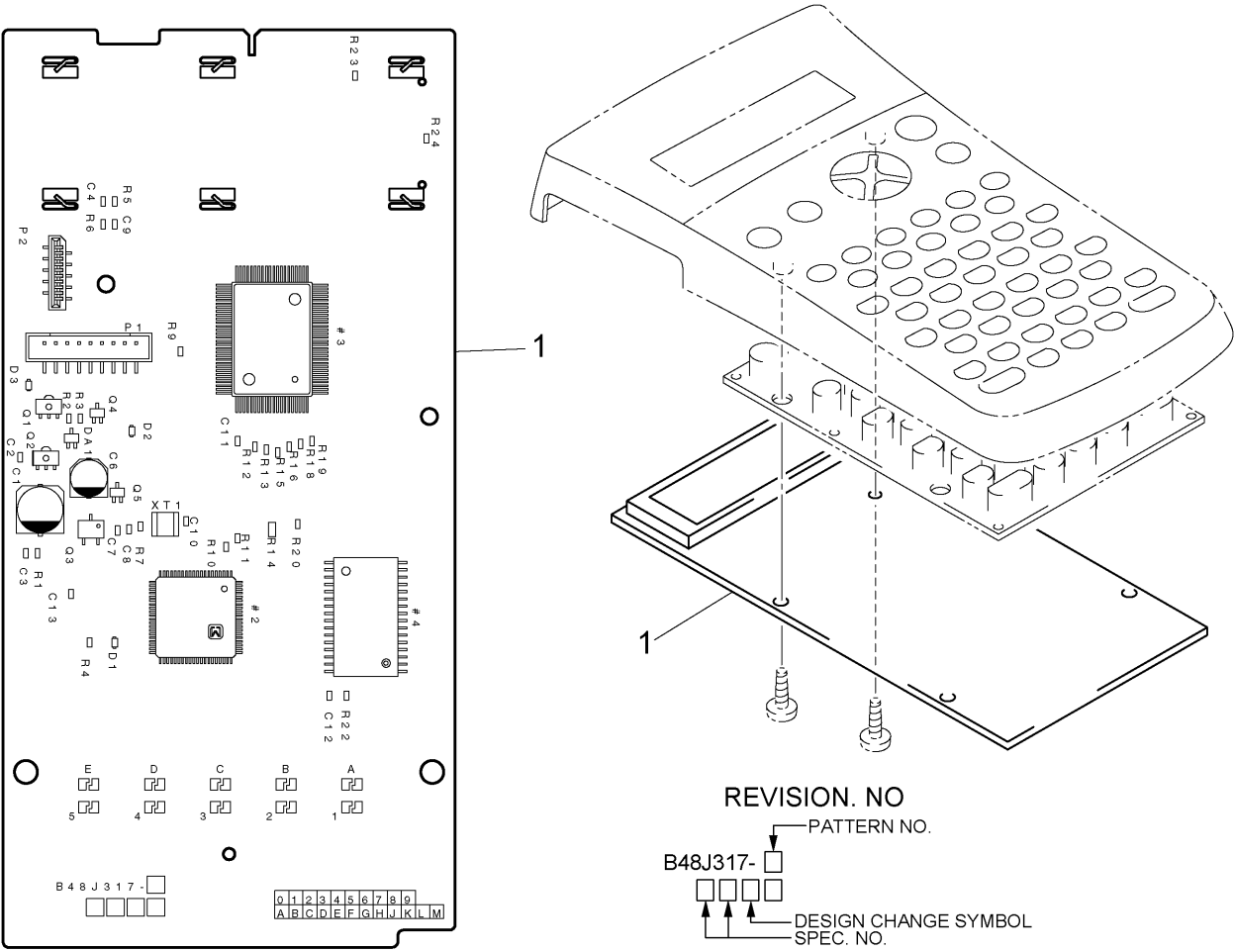
## 2 . COVERS

PT1999076

REF.NO.	CODE	Q'TY	DESCRIPTION	REMARKS
1	UN4533001	1	BODY COVER 220GE, GRAY1395 (PT-220) (DEU/AUT)	
1	UN4532001	1	BODY COVER 220UK, GRAY1395 (PT-220) (GBR/IRL/NLD/CHE/DNK/SWE/ITA/FIN/NOR/ESP)	CHNG
1	UN4535001	1	BODY COVER 220FR, GRAY1395 (PT-220) (FRA)	
1	UN4534001	1	BODY COVER 220BG, GRAY1395 (PT-220) (BEL/PRT)	
1	UN2102001	1	BODY COVER 210E UK, WHITE1397 (PT-210E) (GBR/DNK/IRL/NLD/SWE/ITA/FIN/PRT/ESP)	CHNG
1	UN2153001	1	BODY COVER 210E FR, WHITE1397 (PT-210E) (FRA)	
1	UN2143001	1	BODY COVER 210E GE, WHITE1397 (PT-210E) (DEU)	
1	UN2152001	1	BODY COVER 210E BG, WHITE1397 (PT-210E) (BEL)	
2	UN4536001	1	CASSETTE COVER 220, GRAY1395 (PT-220)	
2	UN4439001	1	CASSETTE COVER 210E, WHITE1397 (PT-210E)	
3	UN4538001	1	LCD PANEL 220GE (PT-220) (DEU/AUT)	
3	UN4537001	1	LCD PANEL 220UK (PT-220) (GBR/IRL/NLD/CHE/DNK/SWE/ITA/BEL/FIN/PRT/NOR/ESP)	CHNG
3	UN4539001	1	LCD PANEL 220FR (PT-220) (FRA)	
3	UN2494001	1	LCD PANEL 210E UK (PT-210E) (GBR/DNK/IRL/NLD/SWE/ITA/BEL/FIN/PRT/ESP)	CHNG
3	UN2496001	1	LCD PANEL 210E FR (PT-210E) (FRA)	
3	UN2495001	1	LCD PANEL 210E GE (PT-210E) (DEU)	
4	UN4540001	1	BOTTOM COVER 220, GRAY1421 (PT-220)	
4	UN4540002	1	BOTTOM COVER 220, GRAY1267 (PT-210E)	
5	085270615	2	TAPTITE, BIND B M2.6X6	
6	085270817	8	TAPTITE, BIND B M2.6X8	
7	UN8680001	2	BATTERY TERMINAL M	
8	UN8041001	3	BATTERY TERMINAL P2	
9	UN8681006	1	TERMINAL COVER, GRAY1421 (PT-220)	
9	UN8681007	1	TERMINAL COVER, GRAY1267 (PT-210E)	
10	UN3680001	1	STRAP BELT, BLACK (PT-220)	
10	UN3680002	1	STRAP BELT, GRAY (PT-210E)	
11	UN3714001	1	CE LABEL	
12	UN4542001	1	ADAPTER CAUTION LABEL	
13	UN4589000	1	CASSETTE SPRING	
14	UN4590001	1	CASSETTE PIN	

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3 . MAIN PCB



SPEC. NO. TABLE

01	11	FRENCH	L	H	H	H
02	12	BELGIUM	H	L	H	H
03	13	GERMAN	H	H	L	H
00	10	UK	H	H	H	H
220	210E		1	2	3	4
SPEC.CODE	KEYBOARD SPEC.	SOLDER POINTS				

H: DO NOT SOLDER  
L: SOLDER



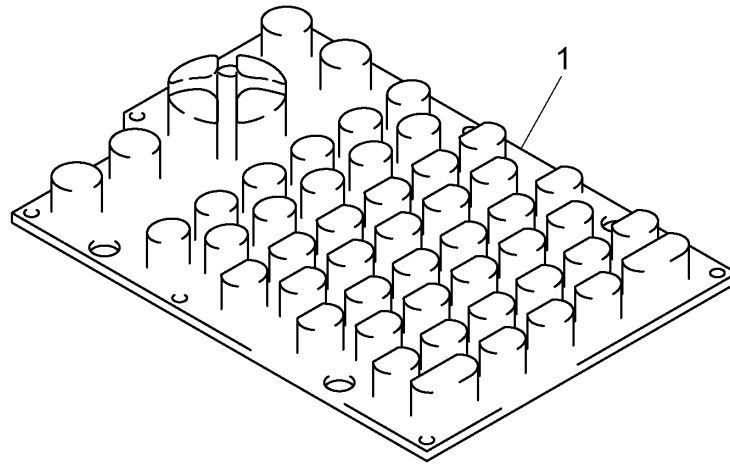
## 3 . MAIN PCB

PT2000066

REF.NO.	SYMBOL	CODE	QTY	DESCRIPTION	REMARKS
1	B48J317-102	LA5146002	1	MAIN PCB ASSY PT220E (PT-220) (DEU/AUT)	CHNG#A
1	B48J317-101	LA5146001	1	MAIN PCB ASSY PT220E (PT-220) (GBR/IRL/NLD/CHE/DNK/SWE/ITA/FIN/NOR/ESP)	CHNG#A
1	B48J317-103	LA5146003	1	MAIN PCB ASSY PT220E (PT-220) (BEL/PRT)	CHNG#A
1	B48J317-201C	UN4629001	1	MAIN PCB ASSY PT220F, FRENCH (PT-220) (FRA)	CHNG#A
1	B48J317-211	UN4432001	1	MAIN PCB ASSY 210EF, FRENCH (PT-210E) (FRA)	
1	B48J317-210	UN4421001	1	MAIN PCB ASSY 210E (PT-210E) (GBR/DNK/IRL/NLD/SWE/ITA/FIN/PRT/ESP)	
1	B48J317-213	UN4421002	1	MAIN PCB ASSY 210E (PT-210E) (DEU)	
1	B48J317-212	UN4421003	1	MAIN PCB ASSY 210E (PT-210E) (BEL)	

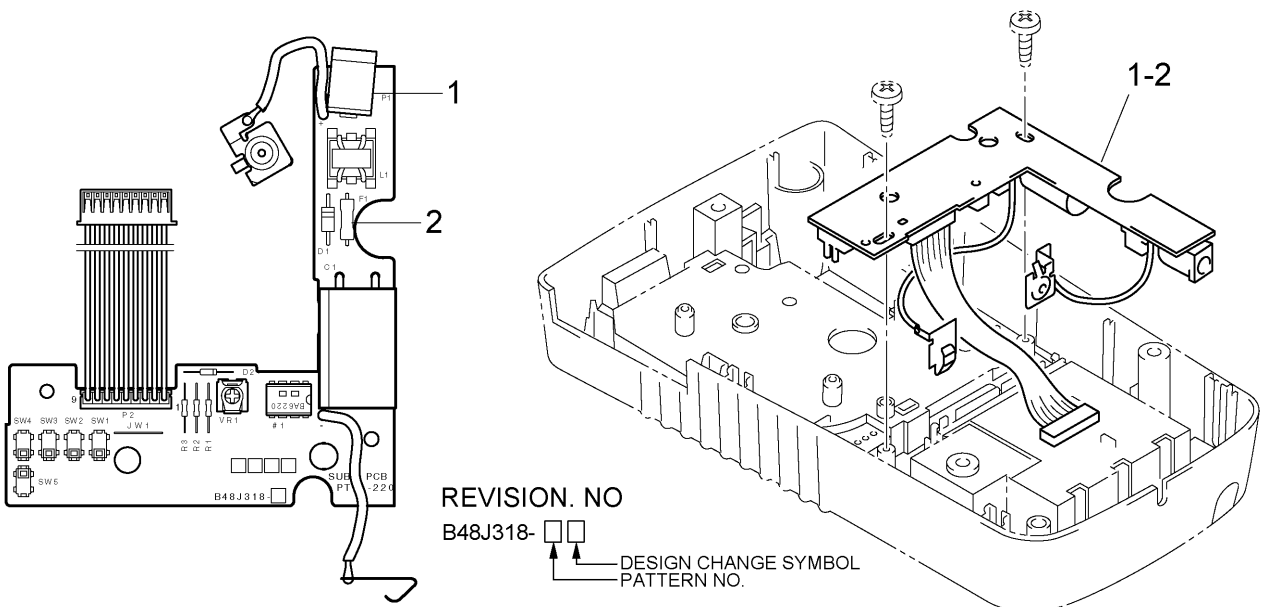
MODEL PT-220/210E (For Europe) 5V2-511-101

#### 4 . RUBBER KEY



MODEL PT-220/210E (For Europe) 5V2-511-003

#### 5 . SUB PCB



MODEL PT-220/210E (For Europe) 5V2-511-102

## 4 . RUBBER KEY

PT1999076

REF.NO.	CODE	Q'TY	DESCRIPTION	REMARKS
1	UN4502001	1	RUBBER 52 KEY 220GE, GRAY1395 (PT-220) (DEU/AUT)	CHNG
1	UN4501001	1	RUBBER 52 KEY 220UK, GRAY1395 (PT-220) (GBR/IRL/NLD/CHE/DNK/SWE/ITA/FIN/NOR/ESP)	
1	UN4504001	1	RUBBER 52 KEY 220FR, GRAY1395 (PT-220) (FRA)	CHNG
1	UN4503001	1	RUBBER 52 KEY 220BG, GRAY1395 (PT-220) (BEL/PRT)	
1	UN1803001	1	RUBBER 52 KEY 210E UK, GRAY1395 (PT-210E) (GBR/DNK/IRL/NLD/SWE/ITA/FIN/PRT/ESP)	
1	UN1992001	1	RUBBER 52 KEY 210E FR, GRAY1395 (PT-210E) (FRA)	
1	UN1866001	1	RUBBER 52 KEY 210E GE, GRAY1395 (PT-210E) (DEU)	
1	UN1929001	1	RUBBER 52 KEY 210E BG, GRAY1395 (PT-210E) (BEL)	

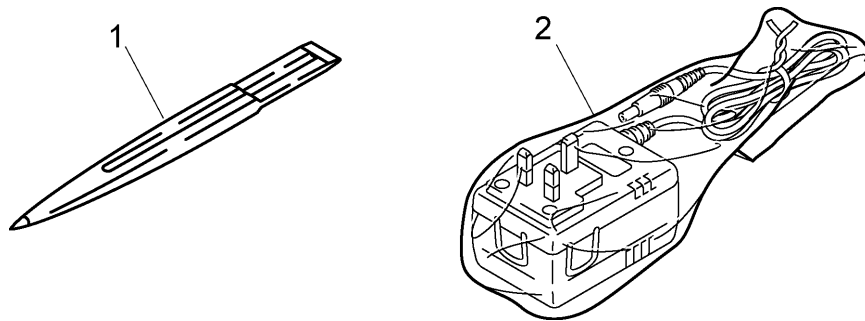
MODEL PT-220/210E (For Europe) 5V2-511-003

## 5 . SUB PCB

REF.NO.	SYMBOL	CODE	Q'TY	DESCRIPTION	REMARKS
1-2	B48J318-2C	UN4621001	1	SUB PCB ASSY PT220E	
1	P1	W00325001	1	JACK, HECO470	
2	F1	UN0999000	1	FUSE, 125V4A	

MODEL PT-220/210E (For Europe) 5V2-511-102

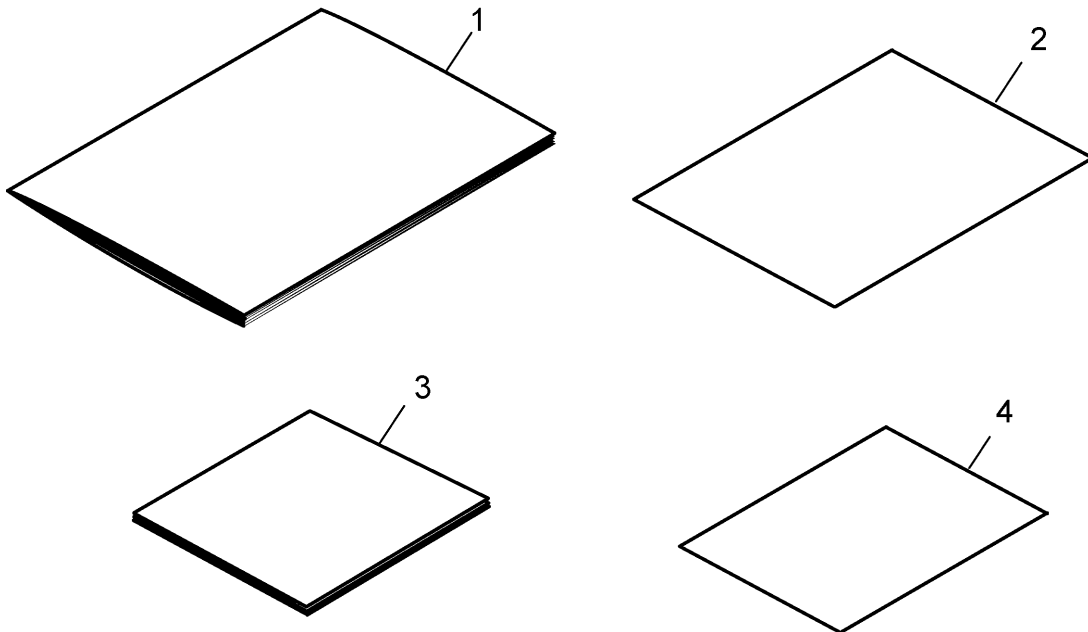
## 6 . ATTACHMENTS



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## 7 . PRINTED MATTER

PT2002006



MODEL PT-220/210E (For Europe) 5V2-511-920

## 6 . ATTACHMENTS

REF.NO.	CODE	Q'TY	DESCRIPTION	REMARKS
1	UN0733022	1	LATTERING STICK TZ, GRAY1252	
2	UT2489001	1	ADAPTER MDL-H UK (PT-220) (GBR)	

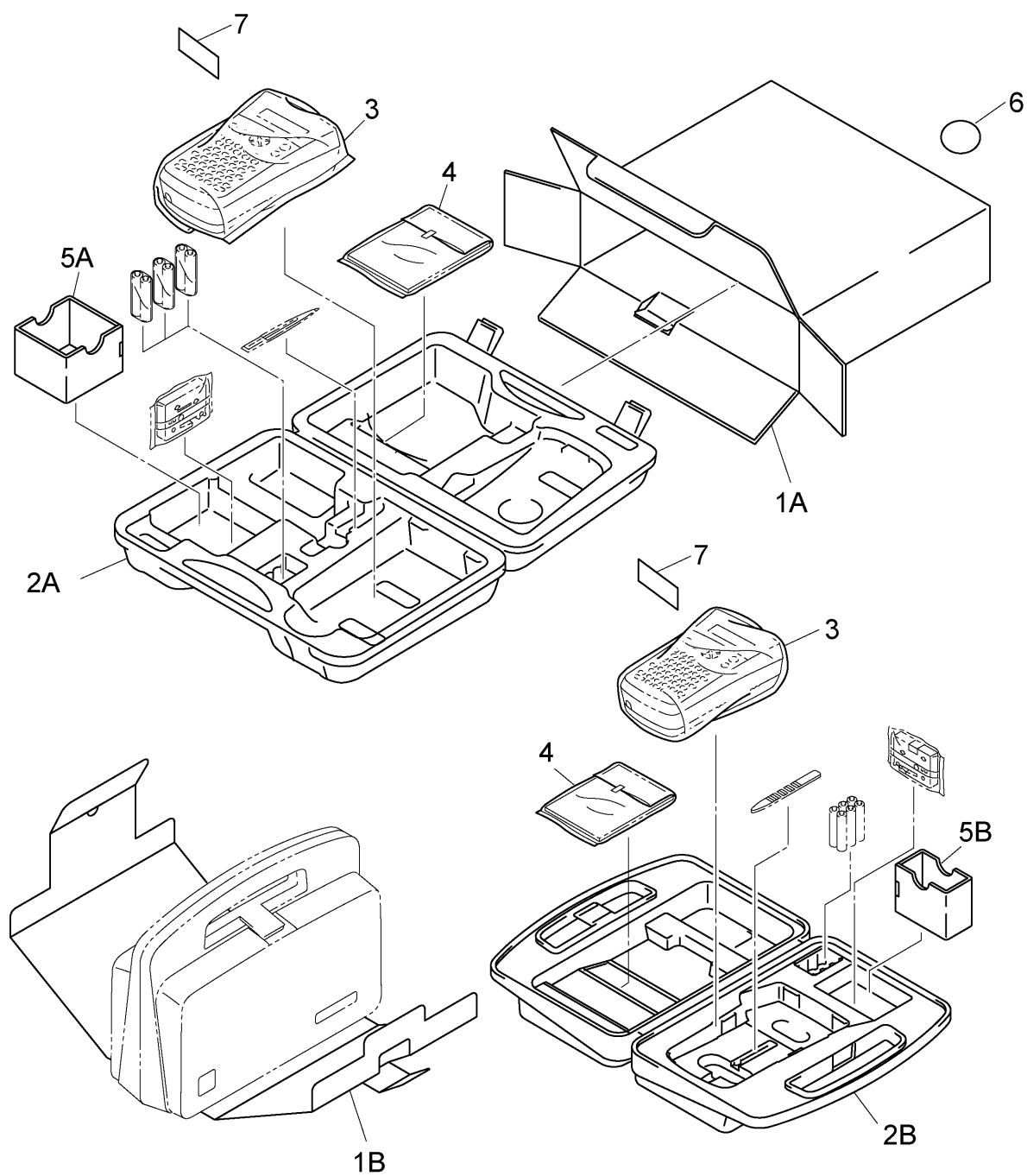
MODEL PT-220/210E (For Europe) 5V2-511-910

## 7 . PRINTED MATTER

PT2002006

REF.NO.	SYMBOL	CODE	Q'TY	DESCRIPTION	REMARKS
1		UN4544001		USER'S MANUAL 220, GERMAN (PT-220) (DEU/AUT)	
1		UN4543001		USER'S MANUAL 220, GBR.ENGLISH (PT-220) (GBR/IRL/PRT/ESP)	
1		UN4548001		USER'S MANUAL 220, FRENCH (PT-220) (FRA)	
1		UN4547001		USER'S MANUAL 220, DUTCH (PT-220) (NLD/BEL)	
1		UN4545001		USER'S MANUAL 220, CHE.FRENCH (PT-220) (CHE/BEL)	
1		UN4546001		USER'S MANUAL 220, CHE.GERMAN (PT-220) (CHE)	
1		UN4554001		USER'S MANUAL 220, DANISH (PT-220) (DNK)	
1		UN4550001		USER'S MANUAL 220, SWEDISH (PT-220) (SWE)	
1	A	UN4552001		USER'S MANUAL 220, ITALIAN (PT-220/210E)) (ITA)	
1		UN4553001		USER'S MANUAL 220, FINNISH (PT-220) (FIN)	
1		UN4549001		USER'S MANUAL 220, NORWEGIAN (PT-220) (FIN)	
1	A	UN2977001		USER'S MANUAL 210E, ENGLISH (PT-210E) (GBR/IRL/ESP)	
1	A	UN3295001		USER'S MANUAL 210E, DANISH (PT-210E) (DNK)	
1	A	UN2976001		USER'S MANUAL 210E, DUTCH (PT-210E) (NLD/BEL)	
1	A	UN3276001		USER'S MANUAL 210E, SWEDISH (PT-210E) (SWE)	
1	A	UN3266001		USER'S MANUAL 210E, FRENCH (PT-210E) (FRA)	
1	A	UN2517001		USER'S MANUAL 210E, GERMAN (PT-210E) (DEU)	
1	A	UN2871001		USER'S MANUAL 210E, CHE.G/F (PT-210E) (BEL)	
1	A	UT0629001		USER'S MANUAL 210E, FINNISH (PT-210E) (FIN)	
1		LA6739001		USER'S MANUAL 210E, PORTUGUESE (PT-210E) (PRT/ESP)	
2		UH3851001		WARRANTY CARD EUR (DEU/GBR/FRA/NLD/CHE/DNK/SWE /AUT/ITA/BEL/NOR/ESP)	
2		UH3662001		WARRANTY CARD UK-A (GBR)	
2		LE5115001		WARRANTY CARD SWE-A (SWE)	
2		UH3663001		WARRANTY CARD UK-B (GBR)	
2		UB3650001		WARRANTY CARD, FRENCH (FRA)	
2		UU0605001		WARRANTY CARD, SPA (ESP)	
3		UN4239001		TAPE CATALOG UK	
4		LA8081001		UNPACKING INSTRUCTION	ADD

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## 8 . PACKING MATERIALS

PT2002006

REF.NO.	CODE	Q'TY	DESCRIPTION	REMARKS
1A	UN4555001	1	CARTON 220 (PT-220)	CHNG#D
1B	UN3296001	1	CARTON 210E (PT-210E)	
2A	UN4595001	1	CARRYING CASE 220 (PT-220)	
2B	UN3540001	1	CARRYING CASE 210E (PT-210E)	
3	LA6820001	1	BAG, 215X470H (BODY)	
4	LA6993001	1	BAG, 230X200H (USER'S MANUAL)	
5A	UN4993001	1	CASSETTE SPACER (PT-220) (DEU/FRA/IRL/NLD/CHE/DNK/SWE/AUT/ITA/BEL/FIN /PRT/NOR/ESP)	
5A	LA4577001	1	CASSETTE SPACER (PT-220) (GBR)	
5B	UN4968001	1	CASSETTE SPACER 210E (PT-210E) (GBR/DNK/IRL/NLD/SWE/FRA/DEU/ITA/BEL /FIN/PRT/ESP)	
6	LA4515001	1	ADAPTER LABEL (PT-220) (GBR)	
7	LA8079000	1	PLATEN PROTECT PAD	ADD

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**brother**®

June, '98  
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